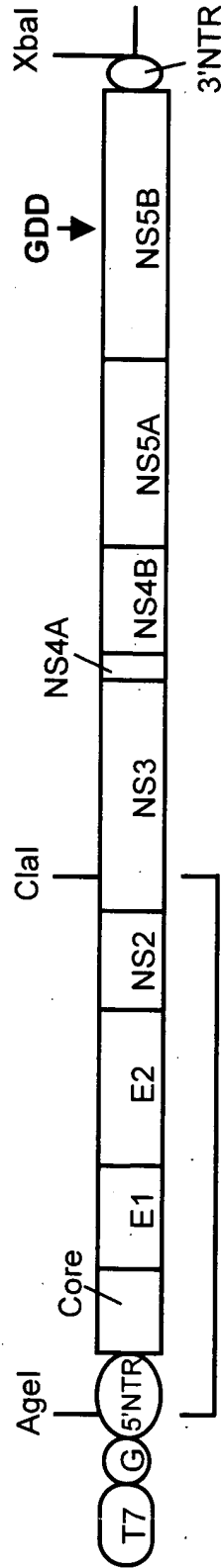
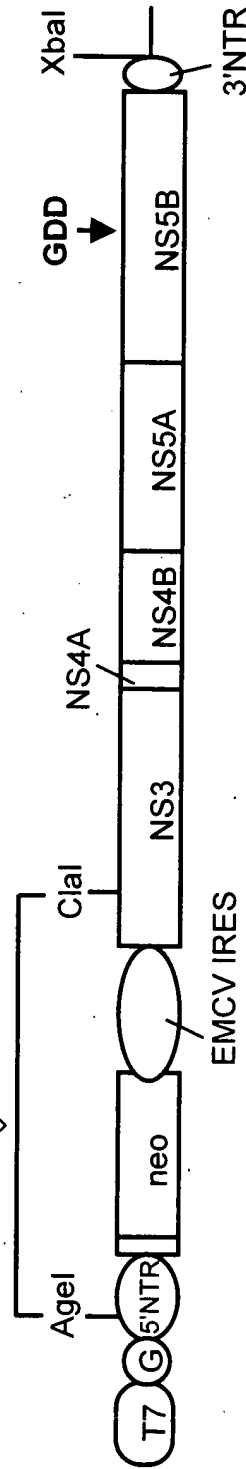


Fig.1

**pJFH1, pJCH1**



Substitution with PCR fragment



**pSGREP-JFH1, pSGREP-JCH1**

Fig.2A

10	20	30	40	50	60
ACCUGCCCU	AAUAGGGCG	ACACUCCGC	AUGAAUCACU	COOCUGUGAG	GAACUACUGU
70	80	90	100	110	120
CUUCACGCAG	AAAGCGCCUA	GCCAUGGGGU	UAGUAUGAGU	GUCGUACAGC	CUCCAGGCCC
130	140	150	160	170	180
CCCCCUCCG	GGAGAGCCAU	AGUGGUCUGC	GGAACCGGUG	AGUACACCGG	AAUUGCCGGG
190	200	210	220	230	240
AAGACUGGGU	CCUUCUUGG	AUAAACCCAC	UCUAUGCCCG	GCCAUUUGGG	CGUGCCCCCG
250	260	270	280	290	300
CAAGACUGCU	AGCGAGUAG	CGUUGGGUUG	CGAAAGGCCU	UGUGGUACUG	CCUGAUAGGG
310	320	330	340	350	360
CGCUUGOGAG	UGCCCCGGGA	GGUCUCGUAG	ACCGUGCACC	AUGAGCACAA	AUCCUAAACC
370	380	390	400	410	420
UCAAGAAAA	AOCAAAAGAA	ACACCAACCG	UOGCCCAUG	AUUGAACAAG	AUGGAUUGCA
430	440	450	460	470	480
CGCAGGUUCU	COGGCCGCUU	GGGUGGAGAG	GCUAUUOGGC	UAUGACUGGG	CACAACAGAC
490	500	510	520	530	540
AAUCGGCUGC	UCUGAUGCG	COGUGUCCG	GCUGUCAGCG	CAGGGGCGCC	CGGUUCUUUU
550	560	570	580	590	600
UGUCAAGACC	GACCUGUCCG	GUGCCUGAA	UGAACUGCAG	GACGAGGCAG	CGCGGCUADC
610	620	630	640	650	660
GUGGCUGGCC	ACGACGGGCG	UUCCUUGGC	AGCUGUGCUC	GACGUUGUCA	CUGAAGGGG
670	680	690	700	710	720
AAGGGACUGG	CUGCUAUUGG	GCGAAGUGCC	GGGGCAGGAU	CUCCUGUCAU	CUACCCUUGC
730	740	750	760	770	780
UCCUGCCGAG	AAAGUAUCCA	UCAUGGCUGA	UGCAAUGCCG	CGGCTUGCAUA	CGCUUGAUCC
790	800	810	820	830	840
GGCUACCCGC	CCAUUGGACC	ACCAAGGGAA	ACAUGGCACU	GAGCGAGCAC	GUACUUGGAU
850	860	870	880	890	900
GGAAGCCGGU	CUUGUCGAUC	AGGAUGAUCU	GGACGAAGAG	CAUCAGGGGC	UCCGCCCAGC
910	920	930	940	950	960
CGAACUGUUC	GCCAGGCUCA	AGGCGCGCAU	GCCGACGCGC	GAGGAUCUCG	UCGUGACCCA
970	980	990	1000	1010	1020
UGGCGAUGCC	UGCUUGCGGA	AUAUCAUGGU	GGAAAUGGC	CGCUUUUCUG	GAUUCAUOGA
1030	1040	1050	1060	1070	1080
CUGUGGCCGG	CUGGGUGUGG	CGGACCGCUA	UCAGGACAUU	GCGUUGGCUA	CCCGUGAUUU
1090	1100	1110	1120	1130	1140
UGCUGAAGAG	CUUGGGGGCG	AAUGGGCUGA	CGCUCUCCUC	GUGCUUUACG	GUUUCGCCGC
1150	1160	1170	1180	1190	1200
UCCCGAUUCC	CAGCGCAUCC	CCUUCUAUCC	CCUUCUUGAC	GAGUUCUUCU	GAGUUUAAAC
1210	1220	1230	1240	1250	1260
CCUCUCCCCU	CCCCCCCCCU	AACGUUACUG	GCCGAAGCCG	CUUGGAUUAA	GGCCGGUGUG
1270	1280	1290	1300	1310	1320
CGUUUGUCUA	UAUGUUUUUU	UCCACCAUUA	UGCCGUCUUU	UGGCAAUUGG	AGGGCCCCGA
1330	1340	1350	1360	1370	1380
AACCUGGCCC	UGUCUUCUUG	ACGAGCAUUC	CUAGGGGUCU	UUCCCCUCUC	GCCAAAGGAA

Fig.2B

1390	1400	1410	1420	1430	1440
UGCAAGGUCU	GUUGAAUGUC	GUGAAGGAAG	CAGUUCUCU	GGAAGCUUCU	UGAAGACAAA
1450	1460	1470	1480	1490	1500
CAAGUCUGU	AGGACCCUU	UGCAGGCAGC	GGAACCCCC	ACCUGGGGAC	AGGUGCCUCU
1510	1520	1530	1540	1550	1560
GCGGCCAAAA	GCCAGUGUA	UAAGAUACAC	CUGCAAAGGC	GGCACAACCC	CAGUGCCACG
1570	1580	1590	1600	1610	1620
UUGUGAGUUG	GAUAGUUGUG	GAAAGAGUCA	AAUGGCUCUC	CUCAAGCGUA	UUCAACAAGG
1630	1640	1650	1660	1670	1680
GGCUGAAGGA	UGCCCAGAAG	GUACCCCAU	GUAUGGGAUC	UGAUCUGGGG	CCUOGGUGCA
1690	1700	1710	1720	1730	1740
CAUGCUUUAC	AUGUGUUUAG	UOGAGGUUAA	AAAAAGUCU	AGGCCCCCG	AACCACGGGG
1750	1760	1770	1780	1790	1800
ACGUGGUUUU	CCUUGAAAA	ACAOGAUGAU	ACCAUGGCUC	CCAUCACUGC	UUUAGCCACG
1810	1820	1830	1840	1850	1860
CAAAACAGAG	GOCUCUUGGG	CGCCAUAGUG	GUGAGUADGA	CGGGGCGUGA	CAGGACAGAA
1870	1880	1890	1900	1910	1920
CAGGCGGGG	AAGUCCAAU	CCUGUCCACA	GUCUCUCAGU	CCUUCUCCG	AACAAOCCAU
1930	1940	1950	1960	1970	1980
UCGGGGGUU	UGUGGACUGU	UUACCACGGA	GCUGGCAACA	AGACUCUAGC	CGGCUUACGG
1990	2000	2010	2020	2030	2040
GGUCGGGUA	CGCAGAUUA	CUUGAGUCCU	GAGGGGGACU	UGGUAGGCU	GCCCAGCCCC
2050	2060	2070	2080	2090	2100
CCUGGGACCA	AGUCUUUGGA	GCGUGCAAG	UGUGGAGCCG	UOGACCUAUA	UCUGGUCACG
2110	2120	2130	2140	2150	2160
CGGAAAGCUG	AUGUCAUCC	GGCUCGGAGA	CGGGGGGACA	AGCGGGGAGC	AUUGCUCUCC
2170	2180	2190	2200	2210	2220
CGAGACCCA	UUUCGACCU	GAAGGGGUCC	UCGGGGGGC	CGGUGCUUG	CCCUAGGGGC
2230	2240	2250	2260	2270	2280
CACGUGUUG	GGCUCUCCG	AGCAGCUGUG	UGCUCUCCG	GCGUGGCCAA	AUCCAUCGAD
2290	2300	2310	2320	2330	2340
UUCAUCCCG	UUGAGACACU	CGAGUUGUU	ACAAGGUCUC	CCACUUCAG	UGACAACAGC
2350	2360	2370	2380	2390	2400
ACGCCACCG	CUGUGCCCA	GACCUAUCAG	GUOGGGUACU	UGCAUGCUC	AACUGGCAGU
2410	2420	2430	2440	2450	2460
GGAAAGAGCA	CCAGGUCCC	UGUOGGUUAU	GCGCCCGAGG	GGUACAAAGU	ACUAGUGCUU
2470	2480	2490	2500	2510	2520
AACCCUCGG	UAGCUGCCAC	CCUGGGGUUU	GGGGCGUACC	UAUCCAAGGC	ACAUGGCACU
2530	2540	2550	2560	2570	2580
AAUCCCAACA	UUAGGACUGG	AGUCAGGACC	GUGAUGACCG	GGGAGGCCAU	CACGUACUCC
2590	2600	2610	2620	2630	2640
ACAUUAGGCA	AAUUCUCCG	CGAUGGGGGC	UGCGCUAGCG	GCGCCUAGUA	CAUCAUCAUA
2650	2660	2670	2680	2690	2700
UGCGAUGAAU	GCCAGCUGU	GGAUGCUACC	UCCAUCUCG	GCAUCGGAAC	GGUCCUUGAU
2710	2720	2730	2740	2750	2760
CAAGCAGAGA	CAGCGGGGU	CAGACUAACU	GUGCUGGCUA	CGGCCACACC	CCCGGGGUA

Fig.2C

2770	2780	2790	2800	2810	2820
GUGACAACCC	CCCAUCCCGA	UAUAGAAGAG	GUAGGCCUUG	GGGGGAGGG	UGAGAUCCCC
2830	2840	2850	2860	2870	2880
UUCUAUGGGA	GGGCGAUUCC	CCUAUCCUGC	AUCAAGGGAG	GGAGACACCU	GAUUUUCUGC
2890	2900	2910	2920	2930	2940
CACUCAAGA	AAAAGUGUGA	CGAGCUCCCG	GGGGCCCUUC	GGGGCAUGGG	CUUGAAUCCG
2950	2960	2970	2980	2990	3000
GUGGCAUACU	AUAGAGGGUU	GGACGUCUCC	AUAUUAACAG	CUCAGGGAGA	UGUGGUGGUC
3010	3020	3030	3040	3050	3060
GUUGCCACCG	ACGOCUCUAC	GACGGGGUAC	ACUGGAGACU	UUGACUCUGU	GAUCCGACUGC
3070	3080	3090	3100	3110	3120
AAUGUAGCGG	UCACCCAAGC	UGUCGACUUC	AGCCUGGACC	CCAACUUCAC	UAUAACCACA
3130	3140	3150	3160	3170	3180
CAGACUGUCC	CACAAGACGC	UGUCUCACGC	AGUCAGCGCC	GGGGGGCCAC	AGGUAGAGGA
3190	3200	3210	3220	3230	3240
AGACAGGGCA	CUUAUAGGUA	UGUUUCCACU	GGUGAACGAG	CCUCAGGAU	GUUUGACAGU
3250	3260	3270	3280	3290	3300
GUAGGSCUUU	GUGAGUGCUA	CGACGCGGGG	GCUGCGUGGU	ACGAUCUCAC	ACCAGCGGAG
3310	3320	3330	3340	3350	3360
ACCACCGUCA	GGCUUAGAGC	GUUUUUAAC	ACGCCCGGCC	UACCCGUGUG	UCAAGACCAU
3370	3380	3390	3400	3410	3420
CUUGAAUUUU	GGGAGGCAGU	UUUACCGGCC	CUACACACAC	UAGACGCCCA	CUUCCUUCUC
3430	3440	3450	3460	3470	3480
CAAACAAAGC	AAGCGGGGGA	GAACUUCGGG	UACCUAGUAG	CCUACCAAGC	UACGGUGUGC
3490	3500	3510	3520	3530	3540
GOCAGAGCCA	AGGOCUUCC	CCCGUCCUGG	GACGCCAUGU	GGAAGUGCCU	GGCCCGACUC
3550	3560	3570	3580	3590	3600
AAGCCUACGC	UUGCGGGCCC	CACACUUCUC	CUGUACCGUU	UGGGCCCUAU	UACCAAUGAG
3610	3620	3630	3640	3650	3660
GUCACCCUCA	CACACCCUGG	GACGAAGUAC	AUCGOCACAU	GCAUGCAAGC	UGAACUUGAG
3670	3680	3690	3700	3710	3720
GUCAUAGCCA	GCAUGUGGGU	CCUAGCUGGA	GGAGUCCUGG	CAGCCGUCCG	CGCAUADUGC
3730	3740	3750	3760	3770	3780
CUGGOGACUG	GAUGGUGUUC	CAUCAUOGGC	CGCUUGCACG	UCAACCAGCG	AGUCCUGGUU
3790	3800	3810	3820	3830	3840
GCGCCGGAUA	AGGAGGUCCU	GUUAGAGGCU	UUUGAUGAGA	UGGAGGAUUG	CGCCUCUAGG
3850	3860	3870	3880	3890	3900
GCGGCUCUCA	UCCAAGAGGG	GCAGCGGAUA	GCCGAGAUGU	UGAAGUCCAA	GAUCCAAGGC
3910	3920	3930	3940	3950	3960
UUGCUGCAGC	AGGOCUCUAA	GCAGGCCCAG	GACAUACAAC	CCGCUAUGCA	GGCUUCAUGG
3970	3980	3990	4000	4010	4020
CCCAAAGUGG	AACAAUUUUG	GGCCAGACAC	AUGUGGAACU	UCAUUAAGGG	CAUCCAUAUC
4030	4040	4050	4060	4070	4080
CUCCGAGGAU	UGUCAACACU	GCCAGGGAAC	CCCGGGGUGG	CUUCCAUGAU	GGCAUUCAGU
4090	4100	4110	4120	4130	4140
GCGCCCUCA	CCAGUCCGUU	GUUGACCAGU	ACCACCAUCC	UUCUCAACAU	CAUGGGAGGC

Fig.2D

4150	4160	4170	4180	4190	4200
UGGUUAGCGU	CCCAGAUCCG	ACCAACCCGG	GGGGCCACCG	GCUUUGUCGU	CAGUGGCCUG
4210	4220	4230	4240	4250	4260
GUGGGGGCUG	CCGUGGGCAG	CAUAGGCCUG	GGUAAGGUGC	UGGUGGACAU	CCUGGCAGGA
4270	4280	4290	4300	4310	4320
UAUGGUGCGG	GCAUUUCGGG	GGCCUCUGUC	GCAUUAAGA	UCAUGUCUGG	CGAGAAGCCC
4330	4340	4350	4360	4370	4380
UCUAUGGAAG	AUGUCAUCAA	UCUACUGCCU	GGGAUCCUGU	CUCCGGGAGC	CCUGGUGGUG
4390	4400	4410	4420	4430	4440
GGGGUCAUCU	GCGCGGCCAU	UCUGGCGCGC	CACGUGGGAC	CGGGGGAGGG	CGGGGUCCAA
4450	4460	4470	4480	4490	4500
UGGAUGAACA	GGCUUAUUGC	CUUUGCUUCC	AGAGGAAACC	AUGUCCGCC	UACUCACUAC
4510	4520	4530	4540	4550	4560
GUGACGGAGU	CGGAUGGUC	GCAGCGUGUG	ACCCAACUAC	UUGGCUCUCU	UACUAUAACC
4570	4580	4590	4600	4610	4620
AGCCUACUCA	GAAGACUCCA	CAAUUGGAUA	ACUGAGGACU	GCCCCAUCCC	AUGCUCCGGA
4630	4640	4650	4660	4670	4680
UCCUGGCUC	GGAAGGUGUG	GGACUGGGUU	UGCAACCAUCU	UGACAGACUU	CAAAAUAUUG
4690	4700	4710	4720	4730	4740
CUGACUCUA	AAUUGUCCCC	CAAGCUGCCC	GGCCUCCCCU	UCAUCUCUUG	UCAAAGGGG
4750	4760	4770	4780	4790	4800
UACAAGGGUG	UGUGGGCCGG	CACUGGCAUC	AUGACCACGC	GCUGCCCUUG	CGGCGCCAAC
4810	4820	4830	4840	4850	4860
AUCUCUGGCA	AUGUCCGCCU	GGGCUCUAUG	AGGAUCACAG	GGCCUAAAAC	CUGCAUGAAC
4870	4880	4890	4900	4910	4920
ACCUGGCAGG	GGACCUUCC	UAUCAAUUGC	UACACGGAGG	GCCAGUGGCG	GCCGAAACCC
4930	4940	4950	4960	4970	4980
CCCACGAACU	ACAAGACCGC	CAUCUGGAGG	GUGGCGGCCU	CGGAGUAGCG	GGAGGUGAGC
4990	5000	5010	5020	5030	5040
CAGCAUGGGU	CGUACUCCUA	UGUAACAGGA	CUGACCACUG	ACAUCUGAA	AAUUCUUGC
5050	5060	5070	5080	5090	5100
CAACUACCUU	CUCCAGAGUU	UUUCUCCUGG	GUGGAAGGUG	UGCAGAUCCA	UAGGUUUGCA
5110	5120	5130	5140	5150	5160
CCCACACCAA	AGCGUUUUU	CCGGGAUGAG	GUCUCGUUCU	GCGUUGGGCU	UAAUUCUUAU
5170	5180	5190	5200	5210	5220
GCUGUOGGGU	CCCAGCUUCC	CUGUGAACCU	GAGCCCGACG	CAGACGUUUU	GAGGUCCAUG
5230	5240	5250	5260	5270	5280
CUAACAGAU	CGCCCCACAU	CACGGCGGAG	ACUGCGGCGC	GGCGCUUGGC	ACGGGGAUCA
5290	5300	5310	5320	5330	5340
CCUCCAUUCG	AGGCGAGCUC	CUCAGUGAGC	CAGCUAUCAG	CACCGUOGCU	GCGGGCCACC
5350	5360	5370	5380	5390	5400
UGCACCAACC	ACAGCAACAC	CUAUGAAGUG	GACAUGGUUG	AUGCCAACCU	GCUCUUGGAG
5410	5420	5430	5440	5450	5460
GGCGGUGUGG	CUCAGACAGA	GCCUGAGUCC	AGGGUGCCCG	UUUGGACUU	UCUOGAGCCA
5470	5480	5490	5500	5510	5520
AUGGCCGAGG	AAGAGAGCGA	CCUUGAGCCC	UCAAUACCAU	CGGAGUGCAU	GCUCCCCAGG

Fig.2E

5530	5540	5550	5560	5570	5580
AGCGGGUUUC	CACGGGCCUJ	ACCGGCUUGG	GCACGGCCUG	ACUACAACCC	GCGGCUUGUG
5590	5600	5610	5620	5630	5640
GAAUUGUGGA	GGAGGCACAG	UUACCAACCG	CCCACCGUUG	CUGGUUGUGC	UCUCCCCCCC
5650	5660	5670	5680	5690	5700
CCCAAGAAGG	CCCCGACGCC	UCCCCCAAGG	AGACGCGGGA	CAGUGGGUCU	GAGGAGAGGC
5710	5720	5730	5740	5750	5760
ACCAUAUCAG	AAGCCCUCCA	GCAACUGGCC	AUCAAGACCU	UUGGCCAGCC	CCCCUUGAGC
5770	5780	5790	5800	5810	5820
GGUGAUGCAG	GCUCGUCCAC	GGGGGCGGGC	GCCGCGGAU	CGGCGGUCC	GAUGCCCCU
5830	5840	5850	5860	5870	5880
GGUGAGCGCG	CCCCCUCAGA	GACAGGUUCC	GCCUCCUCUA	UGCCCCCCCU	CGAGGGGGAG
5890	5900	5910	5920	5930	5940
CCUGGAGAU	CGGACCUUGA	GUCUGAUCAG	GUAGAGCUUC	AACCUCCCCC	CCAGGGGGGG
5950	5960	5970	5980	5990	6000
GGGGUAGCUC	CCGGUUGGG	CUCGGGGUCU	UGGUCUACUU	GCUCGAGGA	GGAUGAUACC
6010	6020	6030	6040	6050	6060
ACCGUGUGCU	GCUCGAGUC	AUACUCCGG	ACCGGGGCU	UAAUAACUCC	CUGUAGCCCC
6070	6080	6090	6100	6110	6120
GAAGAGGAAA	AGUUGCCAAU	CAACCCUUUG	AGUAACUCC	UGUUGGGAUA	CCAUAACAAG
6130	6140	6150	6160	6170	6180
GUGUACUGUA	CAACAUCAAA	GAGCGCCUCA	CAGAGGGCUA	AAAAGGUAA	UUUUGACAGG
6190	6200	6210	6220	6230	6240
ACGCAAGUGC	UCGAGGCCCA	UUAUGACUCA	GUCUUAAGG	ACAUCAAGCU	AGCGGCUUCC
6250	6260	6270	6280	6290	6300
AAGGUCAGCG	CAAGGCUCCU	CACCUUGGAG	GAGGCGUGCC	AGUUGACUCC	ACCCCAUUCU
6310	6320	6330	6340	6350	6360
GCAAGAUCCA	AGUAUGGAUU	CGGGGCCAAG	GAGGUCCGCA	GCUUGUCCGG	GAGGGCCGUU
6370	6380	6390	6400	6410	6420
AACCACAUCA	AGUCCGUGUG	GAAGGAOCUC	CUGGAAGACC	CACAAACACC	AAUUCACACA
6430	6440	6450	6460	6470	6480
ACCAUCAUGG	CCAAAAAUGA	GGUGUUCUGC	GUGGAOCCCG	CCAAGGGGGG	UAAGAAACCA
6490	6500	6510	6520	6530	6540
GCUCGCCUCA	UCGUUUACCC	UGACCUCCGC	GUCGCGGUCU	GCGAGAAAUA	GGCCCUUUAU
6550	6560	6570	6580	6590	6600
GACAUUACAC	AAAAGCUUCC	UCAGGCGGUA	AUGGGAGCUU	CCUAUGGCUU	CCAGUACUCC
6610	6620	6630	6640	6650	6660
CCUGCCCAAC	GGGUGGAGUA	UCUCUUGAAA	GCAUGGGCGG	AAAAGAGGA	CCCAUGGGU
6670	6680	6690	6700	6710	6720
UUUUUGUAUG	AUACCGAUG	CUUGGACUCA	ACCGUCACUG	AGAGAGACAU	CAGGACCGAG
6730	6740	6750	6760	6770	6780
GAGUCCAUAU	ACCAGGCCUG	CUCCUGCCC	GAGGAGGCC	GCACUGGCAU	ACACUCCGUG
6790	6800	6810	6820	6830	6840
ACUGAGAGAC	UUUAAGUAGG	AGGGCCCAUG	UUCAACAGCA	AGGGUCAAAC	CUGCGGUUAC
6850	6860	6870	6880	6890	6900
AGACGUUGCC	GCGCCAGCGG	GGUGCUAACC	ACUAGCAUGG	GUAACACCAU	CACAUGCUAU

Fig.2F

6910	6920	6930	6940	6950	6960
GUGAAAGCCC	UAGCGGCCUG	CAAGGCUGCG	GGGAUAGUUG	CGCCCACAAU	GCUGGUUUGC
6970	6980	6990	7000	7010	7020
GGCGAUGAOC	UAGUAGUCAU	CUCAGAAAGC	CAGGGGACTUG	AGGAGGACGA	GCGGAACCUG
7030	7040	7050	7060	7070	7080
AGAGCCUUCA	CGGAGGCCAU	GACCAGGUAC	UCUGCCCCUC	CUGGUGAUCC	CCCCAGACCG
7090	7100	7110	7120	7130	7140
GAAUAUGACC	UGGAGCUAAU	AACAUCUGU	UCCUCAAAUG	UGUCUGUGGC	GUUGGGCCCC
7150	7160	7170	7180	7190	7200
CGGGGCGGCC	GCAGAUACUA	CCUGACCAGA	GACCCAAOCA	CUCCACUCCG	CGGGGCGGCC
7210	7220	7230	7240	7250	7260
UGGGAAACAG	UUAGACACUC	CCCUAUCAAU	UCAUGGCUGG	GAAACAUCAU	CCAGUAUGCU
7270	7280	7290	7300	7310	7320
CCAACCAUUA	GGGUUCGCAU	GGUCCUAAUG	ACACACUUCU	UCUCCAUCUC	CAUGGUCCAA
7330	7340	7350	7360	7370	7380
GACACCCUGG	AOCAGAACCU	CAACUUUGAG	AUGUAUGGAU	CAGUAUACUC	OGUGAAUCCU
7390	7400	7410	7420	7430	7440
UUUGACCUUC	CAGCCAUAAU	UGAGAGGUUA	CACGGGCUUG	ACGCCUUUUC	UAUGCACACA
7450	7460	7470	7480	7490	7500
UACUCUCACC	ACGAACUGAC	GCGGGUGGCU	UCAGCCCUCA	GAAAACUUGG	GGGGCCACCC
7510	7520	7530	7540	7550	7560
CUCAGGGUGU	GGAAGAGUCG	GGCUCGCGCA	GUCAGGGCGU	CCCUCAUCUC	CCUGGAGGGG
7570	7580	7590	7600	7610	7620
AAAGCGGCGG	UUUGCGGCGG	AUAUCUCUUC	AAUUGGGGGG	UGAAGACCAA	GCUCAAACTUC
7630	7640	7650	7660	7670	7680
ACUCCAUUGC	CGGAGGGGCG	CCUACUGGAC	UUUACCAGUU	GGUUCACCGU	CGGGCGGGCG
7690	7700	7710	7720	7730	7740
GGGGGCGACA	UUUUUCACAG	CGUGUGGCGC	GCCCGACCCC	GCUCAUUACU	CUUGGGCCUA
7750	7760	7770	7780	7790	7800
CUCCUACUUU	UUGUAGGGGU	AGGCCUCUUC	CUACUCCCCG	CUUGGUAGAG	CGGCACACAC
7810	7820	7830	7840	7850	7860
UAGGUACACU	CCAUAGCUAA	CUGUUCUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU
7870	7880	7890	7900	7910	7920
UUUUUUUUUU	CUUUUUUUUU	UUUUUCCUUC	UUUCUUCCCU	UCUCAUCUUA	UUCUACUUUC
7930	7940	7950	7960	7970	7980
UUUCUUGGUG	GUCCAUUCUU	AGCCCUAGUC	ACGGCUAGCU	GUGAAAGGUC	CGUGAGCGGC
7990	8000	8010	8020	8030	8040
AUGACUCGAG	AGAGUGCCGU	AACUGGUCUC	UCUGCAGAUC	AUGU	

Fig.3A

10	20	30	40	50	60
ACCGGCCCCU	AAUAGGGGGG	ACACUCOGCC	AUGAAUCACU	CCCGUGAG	GAACUACUGU
70	80	90	100	110	120
CUUCACGCAG	AAAGCGUCUA	GCCAUUGGCGU	UAGUAUGAGU	GUUGUACAGC	CUCCAGGGCC
130	140	150	160	170	180
CCCCUCCCCG	GGAGAGCCAU	AGUGGUCUGC	GGAAACGGUG	AGUACACCGG	AAUUGCCGGG
190	200	210	220	230	240
AAGACUGGGU	CCUUUCUUGG	AUAAACCCAC	UCUAUGCCCG	GCCAUUUGGG	OGUGCCCCCG
250	260	270	280	290	300
CAAGACUGCU	AGCCGAGUAG	CGUUGGGUUG	CGAAAGGCCU	UGUGGUACUG	CCUGAUAGGG
310	320	330	340	350	360
UGCUUGCGAG	UGCCCCGGGA	GGUCUCGUAG	ACCGUGCACC	AUGAGCACAA	AUCCCAAACC
370	380	390	400	410	420
UCAAGAAAA	ACCAAAGAA	ACACUAACCG	UCGCCCAUUG	AUUGAACAAAG	AUGGAUUGCA
430	440	450	460	470	480
CGCAGGUUCU	COGGCCGCUU	GGUGGAGAG	GCUAUUCGGC	UAUGACUGGG	CACAACAGAC
490	500	510	520	530	540
AAUCGGCUGC	UCUGAUGCCG	CCGUGUCCCG	GCUGUCAGCG	CAGGGGGGCC	CGGUUCUUUU
550	560	570	580	590	600
UGUCAAGACC	GACCUGUCCG	GUGCCUGAA	UGAACUCAG	GAGGAGGAG	CGCGGCUAUC
610	620	630	640	650	660
GUGGCGGGCC	ACGACGGGCG	UCCUUGCGC	AGCUGUGCUC	GACGUUGUCA	CUGAAGCGGG
670	680	690	700	710	720
AAGGGACUUG	CUGCUAUUGG	GCGAAGUCC	GGGGCAGGAU	CUCUGUCAU	CUCACCUUGC
730	740	750	760	770	780
UCCUGCGAG	AAAGUAUCCA	UCAUGGCUGA	UGCAUUGCGG	CGGUGCAUA	CGCUUGAUCC
790	800	810	820	830	840
GGCUACCGC	CCAUUCGACC	ACCAAGCGAA	ACAUCGCAUC	GAGCGAGCAC	GUACUCGGAU
850	860	870	880	890	900
GGAAGCCGGU	CUUGUUGAUC	AGGAUGAUCU	GGAOGAAGAG	CAUCAGGGC	UCGGGCCAGC
910	920	930	940	950	960
CGAACUGUUC	GCCAGGCUCA	AGGCGCGCAU	GCCCCAGGGC	GAGGAUCUCG	UUGUGACCCA
970	980	990	1000	1010	1020
UGGCGAUGCC	UGCUUGCCGA	AUAUCAUGGU	GGAAAUGGC	CGCUUUUCUG	GAUUAUCGA
1030	1040	1050	1060	1070	1080
CUGUGGCGCG	CUGGGUGUGG	CGGACCGCUA	UCAGGACAU	GCGUUGGCUA	COGUGAUAU
1090	1100	1110	1120	1130	1140
UGCUGAAGAG	CUUGGCGGCG	AAUGGGCUGA	CGCUUCCUC	GUGCUUUACG	GUAUCGCCG
1150	1160	1170	1180	1190	1200
UCCCGAUUCG	CAGCGCAUCG	CCUUCUAUCG	CCUUCUUGAC	GAGUUCUCU	GAGUUUAAC
1210	1220	1230	1240	1250	1260
CCUCUCCUC	CCCCCCCCCU	AACGUUACUG	GCCGAAGCCG	CUUGGAUUA	GGCCGGUGUG
1270	1280	1290	1300	1310	1320
CGUUUGUCUA	UAUGUUAUUU	UCCACCAU	UGCGUCUUU	UGGCAUUGUG	AGGGCCCGGA
1330	1340	1350	1360	1370	1380
AACUGGCCC	UGUCUUCUUG	AAGAGCAUUC	CUAGGGGUCU	UUCCCCUCUC	GCCAAAGGAA



Fig.3B

1390	1400	1410	1420	1430	1440
UGCAAGGUCU	GUUGAAUGUC	GUGAAGGAAG	CAGUUCUCU	GGAAGCUUCU	UGAAGACAAA
1450	1460	1470	1480	1490	1500
CAACGUCUGU	AGCGACCCUU	UGCAGGCAGC	GGAACCCOCC	ACCUGGCGAC	AGGUGCCUCU
1510	1520	1530	1540	1550	1560
GCGGCCAAAA	GCCACGUGUA	UAAGAUACAC	CUGCAAAGGC	GGCACAACCC	CAGUGCCACG
1570	1580	1590	1600	1610	1620
UUGUGAGUUG	GAUAGUUGUG	GAAAGAGUCA	AAUGGCUCUC	CUCAAGCGUA	UUCAACAAGG
1630	1640	1650	1660	1670	1680
GGCUGAAGGA	UGCCAGAAAG	GUACCCCAUU	GUUUGGAUUC	UGAUCUGGGG	CCUCGGUGCA
1690	1700	1710	1720	1730	1740
CAUGCUUUAC	AUGUGUUUAG	UOGAGGUUAA	AAAAAGUCU	AGGCCCCOCC	AACCACGGGG
1750	1760	1770	1780	1790	1800
AOGUGGUUUU	CCUUUGAAAA	ACACGAUAAU	ACCAUGGCCC	CCAUCACCGC	UUAAGCCACG
1810	1820	1830	1840	1850	1860
CAGACACGAG	GUCUCUUGGG	CUCUAUAGUG	GUGAGCAUGA	CGGGGCGUGA	CAAGACAGAA
1870	1880	1890	1900	1910	1920
CAGGCCGGGG	AGGUCCAAGU	CCUGUCCACA	GUCACUCAGU	CCUUCUCCG	AACAUCCAUU
1930	1940	1950	1960	1970	1980
UCGGGGGUCU	UAUGGACUGU	UUAACCACGA	GCUGGCAACA	AGACACUAGC	CGGCUCCGGG
1990	2000	2010	2020	2030	2040
GGCCCGGUCA	CGCAGAUUGA	CUCGAGCGCC	GAGGGGGACU	UGGUCCGGUG	GCCACGCCCU
2050	2060	2070	2080	2090	2100
CCUGGGGACA	AAUCUUUGGA	GOUGUGUACG	UGUGGAGCGG	UCGACCUGUA	UUUGGUCAAG
2110	2120	2130	2140	2150	2160
CGGAACCGUG	AUGUCAUCCG	GGCUUGAAGA	CGCGGGGACA	AGCGGGGAGC	GCUGCUCUCC
2170	2180	2190	2200	2210	2220
CCGAGACCCC	UUUOGACCUU	GAAGGGGUCC	UCGGGGGGAC	CUGUGCUUUG	CCCUAGGGGC
2230	2240	2250	2260	2270	2280
CACGCUGUGG	GAAUCUUCGG	GGCAGCUGUG	UGCUCUCCGG	GUGUGGCCUA	GUCCAUAGAU
2290	2300	2310	2320	2330	2340
UUCAUCCOCC	UUGAGACGCU	CGACACGUC	ACGCGGUCUC	CCACCUUAG	UGACAACAGC
2350	2360	2370	2380	2390	2400
ACACCACCAG	CUGUGCCCCA	GACCUAUCAG	GUGGGGUACU	UGCACGCCCC	CACUGGCAGU
2410	2420	2430	2440	2450	2460
GGAAAAAGCA	CCAAGGUCCC	CGUGCGUAC	GCAGGCCAGG	GGUAUAAAGU	GCUGGUGCUC
2470	2480	2490	2500	2510	2520
AAUCCCUCCG	UGGCUGCCAC	CCUGGGAUUU	GGGCGUACU	UGUCCAAGGC	ACAUGGCAUC
2530	2540	2550	2560	2570	2580
AACCCCAACA	UUAGGACUGG	AGUCAGAACU	GUGACGACCG	GGGAGCCCAU	UACAUACUCC
2590	2600	2610	2620	2630	2640
ACGUUUGGUA	AAUCCUCCG	CGAUGGGGGC	UGCGCAGGCG	GCGCCUAUGA	CAUCAUCAUA
2650	2660	2670	2680	2690	2700
UGCGAUGAAU	GCCACUCUGU	GGAUGCUACC	ACUAUUCUCG	GCAUCGGGAC	AGUCCUUGAC
2710	2720	2730	2740	2750	2760
CAAGCAGAGA	CAGCCGGGGU	CAGGCUAACU	GUACUGGCCA	CGGCCACGCC	CCCGGGGUCG

Fig.3C

2770	2780	2790	2800	2810	2820
GUGACAAACC	COCAUCCCAA	UAUAGAGGAG	GUAGCCUUCG	GACAGGAGGG	UGAGAUCOC
2830	2840	2850	2860	2870	2880
UUCUAUGGGA	GGGCGUUUCC	CCUGUCUUAC	AUCAAGGGAG	GGAGGCACUU	GAUUUUCUGC
2890	2900	2910	2920	2930	2940
CACUCAAGA	AAAAGUGUGA	CGAGCUCCGA	ACGGCCCUUC	GGGGCAUGGG	CUUGAACGCU
2950	2960	2970	2980	2990	3000
GUGGCAUAUU	ACAGAGGGUU	GGAGGUCUCC	AUAUAACCAA	CUCAAGGAGA	UGUGGUGGUC
3010	3020	3030	3040	3050	3060
GUUGCCACCG	ACGCCCUCAU	GAAGGGGUUU	ACUGGAGACU	UUGACUCOGU	GAUCGACUGC
3070	3080	3090	3100	3110	3120
AAAGUAGCGG	UCACCCAGGC	CGUAGACTUUC	AGCCUGGACC	CCACCUUCAC	UAUAACACA
3130	3140	3150	3160	3170	3180
CAGACUGUCC	CGCAAGAGCG	UGUCUCAGGU	AGUCAGCGCC	GAGGGCGCAC	GGGUGAGGGA
3190	3200	3210	3220	3230	3240
AGACUGGGCA	UUUAUAGGUA	UGUUUCCACU	GGUGAGCGAG	CCUCAGGAUU	GUUUGACAGU
3250	3260	3270	3280	3290	3300
GUAGUACUCU	GUGAGUGCUA	CGAGCGAGGA	GCUGCUUGGU	AUGAGCUCUC	ACCAGUGGAG
3310	3320	3330	3340	3350	3360
ACGACCGUCA	GGCUAGGGC	GUUUUUCAAC	ACGCCUGGCU	UGCCUGUGUG	CCAGGACCAC
3370	3380	3390	3400	3410	3420
CUUGAGUUUU	GGGAGGCAGU	UUUCACCGGC	CUCACACACA	UAGACGCUCA	UUUCCUUUCC
3430	3440	3450	3460	3470	3480
CAGACAAAGC	AGUCCGGGGA	AAAUUUUGCA	UACUUAGUAG	CCUAUCAGGC	CACAGUGUGC
3490	3500	3510	3520	3530	3540
GCCAGGGGCA	AAGCGCCCCC	CCGUGCCUGG	GAUGUCAUGU	GGAAGUGCUU	GACUCGACUC
3550	3560	3570	3580	3590	3600
AAGCCCAAGC	UUGUGGGGCC	UACACCUUCU	CUGUACCGUU	UGGGCUCUGU	UACCAAGAG
3610	3620	3630	3640	3650	3660
GUCACOCUUA	CACACCCCGU	GACAAAATAC	AUCGCCACAU	GCAUGCAAGC	UGACCUOGAG
3670	3680	3690	3700	3710	3720
GUAUGACCA	GCAUGGGGUU	CCUGGCUGGG	GGAGUCUUGG	CAGCCGUGGC	CGCGUAUUGC
3730	3740	3750	3760	3770	3780
UUAGCGACCG	GGUGUGUUUC	CAUCAUUGGC	CGUUUACACA	UCAACCAGCG	AGCUGUUGUO
3790	3800	3810	3820	3830	3840
GCUCCGGACA	AGGAGGUCCU	CUAUGAGGCU	UUUGAUGAGA	UGGAGGAAUG	UGCCUCCAGA
3850	3860	3870	3880	3890	3900
GCGGCUCUCC	UUGAAGAGGG	GCAGCGGAUA	GCCGAGAUGC	UGAAGUCCAA	GAUCCAAGGC
3910	3920	3930	3940	3950	3960
UUAUUGCAGC	AAGCCUCUAA	ACAGGCCAG	GACAUACAAC	CCGCGUGCA	AGCUUCUGGG
3970	3980	3990	4000	4010	4020
CCCAAGAUUG	AGCAAUUCUG	GGCCAAACAU	AUGUGGAACU	UCAUAAGGG	CAUUCAGUAC
4030	4040	4050	4060	4070	4080
CUCCGAGGAC	UGUCAACACU	GCCAGGGGAC	CCUGCUGUGG	CUUCCAUGAU	GGCAUUCAGC
4090	4100	4110	4120	4130	4140
GCCGCCCCUA	CCAGUCCGUU	GUCAACUAGC	ACCACCAUCC	UUCUUAACAU	UCUGGGGGGC

Fig.3D

4150	4160	4170	4180	4190	4200
UGGCUGGCGU	CCCAAAUUGC	GCCACCCGCG	GGGGCCACUG	GCUUUGUUGU	CAGUGGCCUG
4210	4220	4230	4240	4250	4260
GUGGGAGCUG	CUGUUGGCAG	CAUAGGCUUG	GGUAAAGUGC	UGGUGGACAU	CCUGGCAGGG
4270	4280	4290	4300	4310	4320
UAUGGUGGGG	GCAUUUUGGG	GGCCCUUGUC	GCGUUUAAGA	UCAUGUCUGG	CGAGAAGCCC
4330	4340	4350	4360	4370	4380
UCCAUGGAGG	AUGUCAUCA	CUUGCUGCCU	GGGAUUCUGU	CUCCAGGUGC	UCUGGUGGUG
4390	4400	4410	4420	4430	4440
GGAGUCAUCU	GCGCGGCCAU	UCUGCGCGC	CAUGUGGGAC	CGGGGAAGG	CGGGGUCCAA
4450	4460	4470	4480	4490	4500
UGGAUGAACA	GGCUUAUUGC	CUUGCGUUC	AGAGGAAACC	ACGUGCGCCC	UACUCACUAC
4510	4520	4530	4540	4550	4560
GUGAUGGAGU	CGGAUGGUC	GCAGGUGUC	ACCCAACUGC	UUGGCUCUCU	CACUAUAACU
4570	4580	4590	4600	4610	4620
AGUCUACUCA	GGAGACUUA	CAACUGGAUC	ACUGAGGAUU	GCCCAUCCC	AUGGCGCGGC
4630	4640	4650	4660	4670	4680
UCGUGGCUC	GGAUGUGUG	GGACUGGGUC	UGUACCAUCC	UACAGACUU	UAAGAACUGG
4690	4700	4710	4720	4730	4740
CUGACCUCCA	AGCUGUCCC	AAAGAUGCCU	GGCCUCCCU	UUAUCUCUUG	CCAAAAGGGG
4750	4760	4770	4780	4790	4800
UACAAGGGCG	UGUGGGCGG	CACUGGCAUC	AUGACCACAC	GAUGCCCCUG	CGGCGCCAAC
4810	4820	4830	4840	4850	4860
AUCUCUGGCA	ACGUCGCUU	GGCUCUAUG	AGAAUCACAG	GACCCAAAC	CUGCAUGAAC
4870	4880	4890	4900	4910	4920
AOCUGGCAGG	GGACCUUCC	UAUCAAUUGU	UAUACAGAAG	GCCAGUGCUU	GCCGAAACCC
4930	4940	4950	4960	4970	4980
GCGUAAACU	UCAAGACGC	CAUCUGGAGA	GUGGCGGCUU	CAGAGUACGC	GGAAGUGACG
4990	5000	5010	5020	5030	5040
CAGCAOGGAU	CAUAUGCCUA	UAUAACAGGG	CUGACCACUG	ACAACUAAA	AGUCCCUUGC
5050	5060	5070	5080	5090	5100
CAACUCOCUU	CUCCAGAGUU	UUUCUCUUGG	GUGGAAGGAG	UACAAAUCCA	UAGGUCOGCC
5110	5120	5130	5140	5150	5160
CCCACACCAA	AGCCGUUUUU	COGGGAUGAG	GUCUCGUUCA	GCGUUGGGCU	CAAUUCAUUU
5170	5180	5190	5200	5210	5220
GUCGUCGGGU	CUCAGCUUCC	CUGUGACCCU	GAGCCCGACA	CUGAGGUAGU	GAUGUCCAUG
5230	5240	5250	5260	5270	5280
CUAACAGACC	CAUCCCAUUA	CAOGGCGGAG	GCUGCAGCCG	GGCGUUUAGC	GCGGGGGUCA
5290	5300	5310	5320	5330	5340
CCCCAUCUG	AGGCAAGCUC	CUCAGGAGC	CAGCUGUGG	CGCCAUCCU	GCGAGCCACC
5350	5360	5370	5380	5390	5400
UGCACCACCC	AOGGUAGGAC	CUAUGAUGUG	GACAUGGUGG	AUGCCAAOCU	GUUCAUGGGG
5410	5420	5430	5440	5450	5460
GGCGGCGUGA	UUCGGAUAGA	GUCUGAGUCC	AAAGUGGUCC	UUCUGGACUC	CCUCGACUCA
5470	5480	5490	5500	5510	5520
AUGACCGAGG	AAGAGGCGGA	CCUUGAGCCU	UCAGUACCAU	CGGAGUAUAU	GCUCCCCAGG

# Fig.3E

5530	5540	5550	5560	5570	5580
AAGAGGUUCC	CACCGGCCUU	ACCGGCUUGG	GCGGGGCCUG	AUUACAACCC	ACCGCUUGUG
5590	5600	5610	5620	5630	5640
GAAUCUGGA	AGAGGOCAGA	UUACCAACCA	CCCACUGUUG	CGGGCUGUGC	UCUCCCCCCC
5650	5660	5670	5680	5690	5700
CCCAAAAAGA	CCCGACGCC	UCCUCCAAGG	AGAOCGCGA	CAGUGGGUCU	GAGCGAGAGC
5710	5720	5730	5740	5750	5760
ACCAUAGGAG	AUGCCCUCCA	ACAGCUGGCC	AUCAAGUCCU	UUGGCCAGCC	CCCCCAAGC
5770	5780	5790	5800	5810	5820
GGCGAUUCAG	GCCUUUCAC	GGGGGGGAC	GCCGCGACU	CGGGGGAUUG	GACACCCCCU
5830	5840	5850	5860	5870	5880
GACGAGUUGG	CUCUUUCGA	GACAGGUUCU	ACCUCUCCA	UGCCCCCOCU	CGAGGGGGAG
5890	5900	5910	5920	5930	5940
CCUGGGGACC	CAGACCUUGA	GCCUGAGCAG	GUAGAGCUUC	AACCUCCUCC	CCAGGGGGGG
5950	5960	5970	5980	5990	6000
GAGGCAGCUC	CCGGCUUGGA	CUOGGGGUCC	UGGUCUACUU	GCUCCGAGGA	GGAUGACUCC
6010	6020	6030	6040	6050	6060
GUUGUGUCU	GCUCCAUGUC	AUAUUUCUGG	ACCGGGGCUC	UAUAACUCC	UUGUAGCCCC
6070	6080	6090	6100	6110	6120
GAAGAGGAAA	AGUUGCCAAU	UAACUCCUUG	AGCAACUUGC	UGUUGOGAUA	CCAUACAAG
6130	6140	6150	6160	6170	6180
GUUACUGUA	CUACAUCAAA	GAGUGCCUCA	CUAAGGCCUA	AAAAGGUAAC	UUUUGAUAGG
6190	6200	6210	6220	6230	6240
AUGCAAGUGC	UOGACGCCUA	UUUAGAUUCA	GUCUAAAAGG	ACAUAAGCU	AGCGGCCUCC
6250	6260	6270	6280	6290	6300
AAGGUCAGCG	CAAGGCUCUU	CACCUAGAG	GAGGCGUGCC	AAUUGACCCC	ACCCCAUCUU
6310	6320	6330	6340	6350	6360
GCAAGAUCCA	AGUAUGGGUU	UGGGGCUAAG	GAGGUCGCA	GCUUGUCCGG	GAGGGCCGUC
6370	6380	6390	6400	6410	6420
AACCACAUCA	AGUCGUGUG	GAAGGACUUC	UUGGAAGACU	CACAAACACC	AAUUCUACA
6430	6440	6450	6460	6470	6480
ACCAUCAUGG	CCAAAAAUGA	GGUGUUCUGC	GUGGACCCCG	CCAAGGGGGG	UAAAAAACCA
6490	6500	6510	6520	6530	6540
GCUUGCCUUA	UCGUUUACCC	UGACCUCCGC	GUCAGGGUCU	GCGAGAAGAU	GGCCCUUUAU
6550	6560	6570	6580	6590	6600
GAUGUCACAC	AAAAGCUUCC	UCAGGCGGUG	AUGGGGGCUU	CUUAUGGCUU	CCAGUACUCC
6610	6620	6630	6640	6650	6660
CCCGCUCAGC	GGGUGGAGUU	UCUCUUGAAG	GCAUGGGGGG	AAAAGAGAGA	OCUUAUGGGU
6670	6680	6690	6700	6710	6720
UUUUCGUUAG	AUACCGAUG	CUUUGACUCA	ACCGUCACUG	AGAGAGACAU	CAGGACUGAG
6730	6740	6750	6760	6770	6780
GAGUCCAUAU	ACCAGGCCUG	CUCCUUAACC	GAGGAGGCCC	GAACUGCCAU	ACACUCCUG
6790	6800	6810	6820	6830	6840
ACUGAGAGAC	UCUAUGUGGG	AGGGCCCAUG	UUCAACAGCA	AGGGCCAGUC	CUGCGGGUAC
6850	6860	6870	6880	6890	6900
AGCGGUGGCC	GCGCCAGCGG	GGUGCUUACC	ACUAGUAUGG	GGAACACCAU	CACAUGCUAU

Fig.3F

6910	6920	6930	6940	6950	6960
GUAAAAGCCC	UAGCGGCUUG	CAAGGCUGCG	GGGAUAAUUG	CGCCACGGAU	GCUGGUUAGC
6970	6980	6990	7000	7010	7020
GGGAGAGACU	UGGUUGUACU	CUCAGAAAGC	CAGGGGACUG	AGGAGGAAGA	GCGGAACCUG
7030	7040	7050	7060	7070	7080
AGAGCCUUCA	CGGAGGCUAU	GACCAGGUAU	UCUGCCCCUC	CUGGUGAACC	CCCCAGACCG
7090	7100	7110	7120	7130	7140
GAAUAUGACC	UGGAGCUAAU	AACAUCUUGU	UCCUCAAAGC	UGUCUGUGGC	ACUUGGCCCA
7150	7160	7170	7180	7190	7200
CAGGGCGGCC	GCAGAUACUA	CCUGACCAGA	GACCCACCA	CUUCAAUUGC	CCGGGCGGCC
7210	7220	7230	7240	7250	7260
UGGGAACACG	UUAGACACUC	CCUGUCAAU	UCAUGGCUGG	GAAACAUCAU	CCAGUACGCU
7270	7280	7290	7300	7310	7320
CCAACCAUAI	GGGUUCGCAU	GGUCCUGAUG	ACACACUUCU	UCUCCAUCU	CAUGGCCAG
7330	7340	7350	7360	7370	7380
GACACCCUAG	ACCAGAACCU	UAACUUGAA	AUGUACGGAU	CGGUGUACUC	CGUGAGUCCU
7390	7400	7410	7420	7430	7440
CUGGACCUCC	CAGCCAUAAU	UGAAAGGUUA	CAGGGGCUUG	ACGCCUUCUC	UCUGCACACA
7450	7460	7470	7480	7490	7500
UACACUCCCC	ACGAACUGAC	GCGGGUGGCU	UCAGCCCUCA	GAAAACUUGG	GGGCCACACC
7510	7520	7530	7540	7550	7560
CUCAGAGCGU	GGAAGAGUCG	GGCGCGUGCA	GUUAGGGCGU	CCCUCAUCUC	CCGUGGGGGG
7570	7580	7590	7600	7610	7620
AGGGCGGCGC	UUUGCGGUCG	GUACCUCUUC	AACUGGGCGG	UGAAGACCAA	GCUCAAACUC
7630	7640	7650	7660	7670	7680
ACUCCUUUGC	CGGAGGCAAG	CCUCCUGGAU	UUGUCCAGUU	GGUUUACCGU	CGGCGCGCGC
7690	7700	7710	7720	7730	7740
GGGGCGGACA	UUUAUCACAG	CGUGUCGCGU	GCCCGACCCC	GCCUAUUACU	CCUUAGCCUA
7750	7760	7770	7780	7790	7800
CUCCUACUUU	CUGUAGGGGU	AGGCCUCUUC	CUACUCCCGG	CUUGAUAGAG	CGGCACACAU
7810	7820	7830	7840	7850	7860
UAGCUACACU	CCAUAGCUAA	CUGUCCUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU
7870	7880	7890	7900	7910	7920
UUUUUUUUUU	UUUUUUUUUU	UUUUUCCUCC	UUUCCUCCCU	UCUCAUCUUA	UUCUACUUC
7930	7940	7950	7960	7970	7980
UUUCUUGGUG	GUCCAUUCUU	AGCCCUAGUC	ACGGCUAGCU	GUGAAAGGUC	CGUGAGCCGC
7990	8000	8010	8020	8030	8040
AUGACUGCAG	AGAGUGCGGU	AACUGGUCUC	UCUGCAGAU	AUGU	

Fig.4

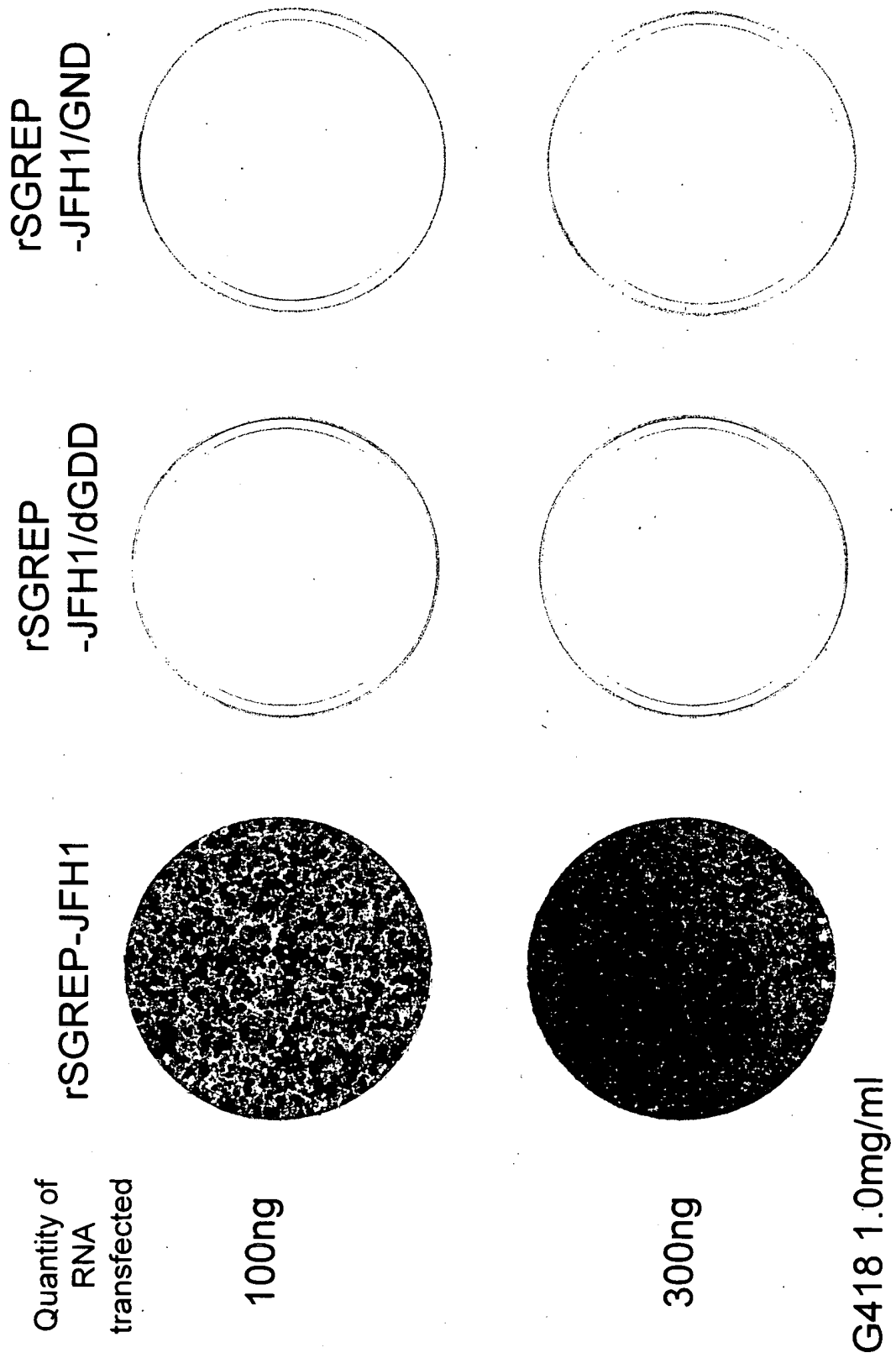
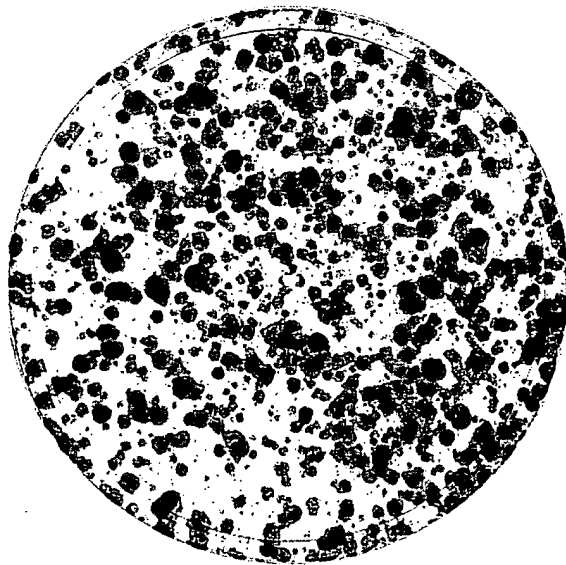
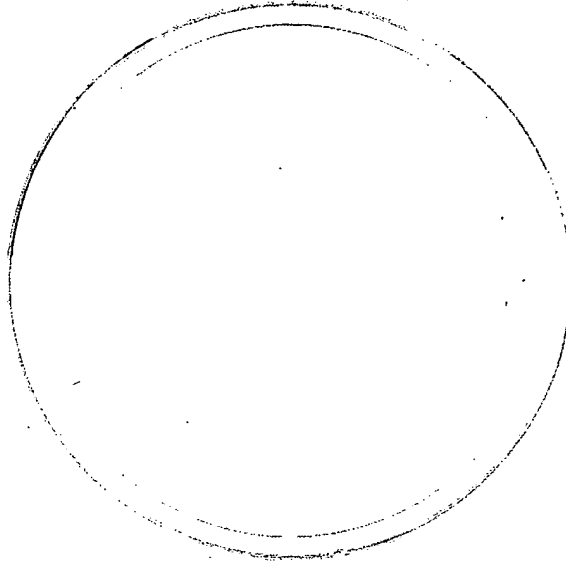


Fig.5

rSGREP-JFH1



rSGREP-JCH1



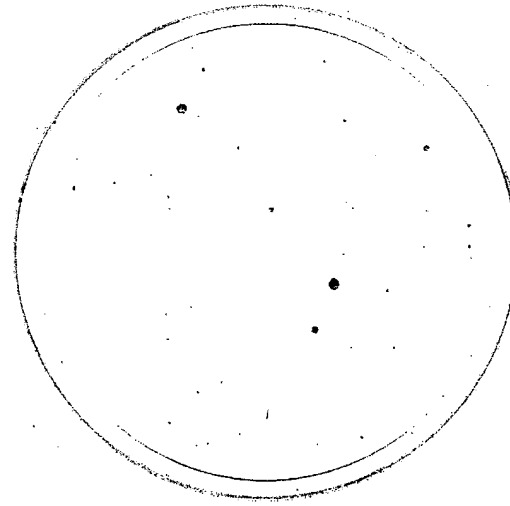
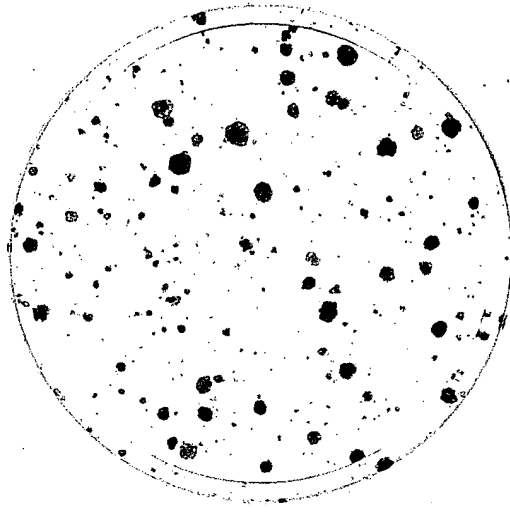
G418 0.5mg/ml

Quantity of RNA transfected 100ng

Fig.6

Untreated with  
Mung Bean Nuclease

Treated with  
Mung Bean Nuclease



rSGREP-JFH1

100ng

G418 1.0mg/ml



Fig.7

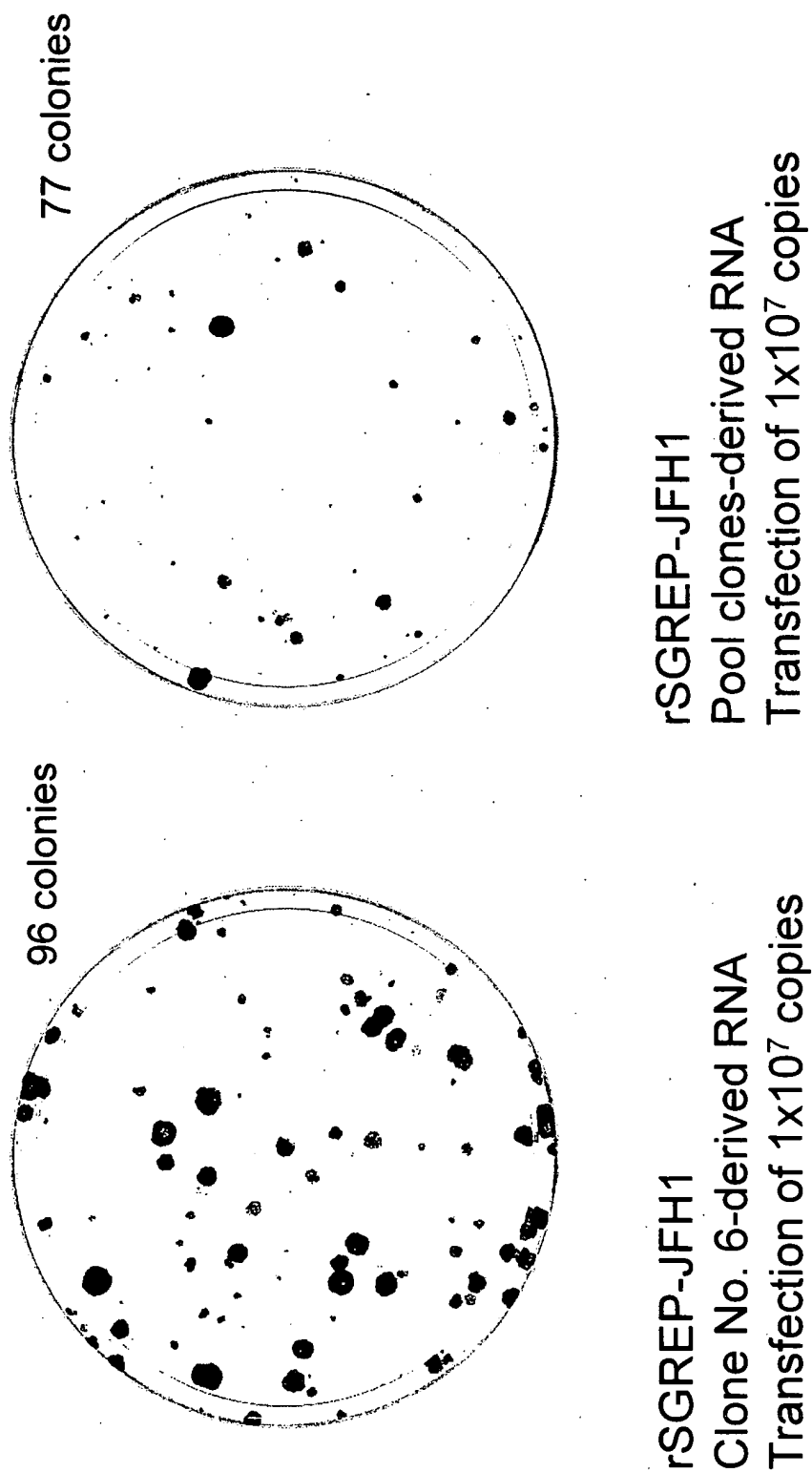


Fig.8

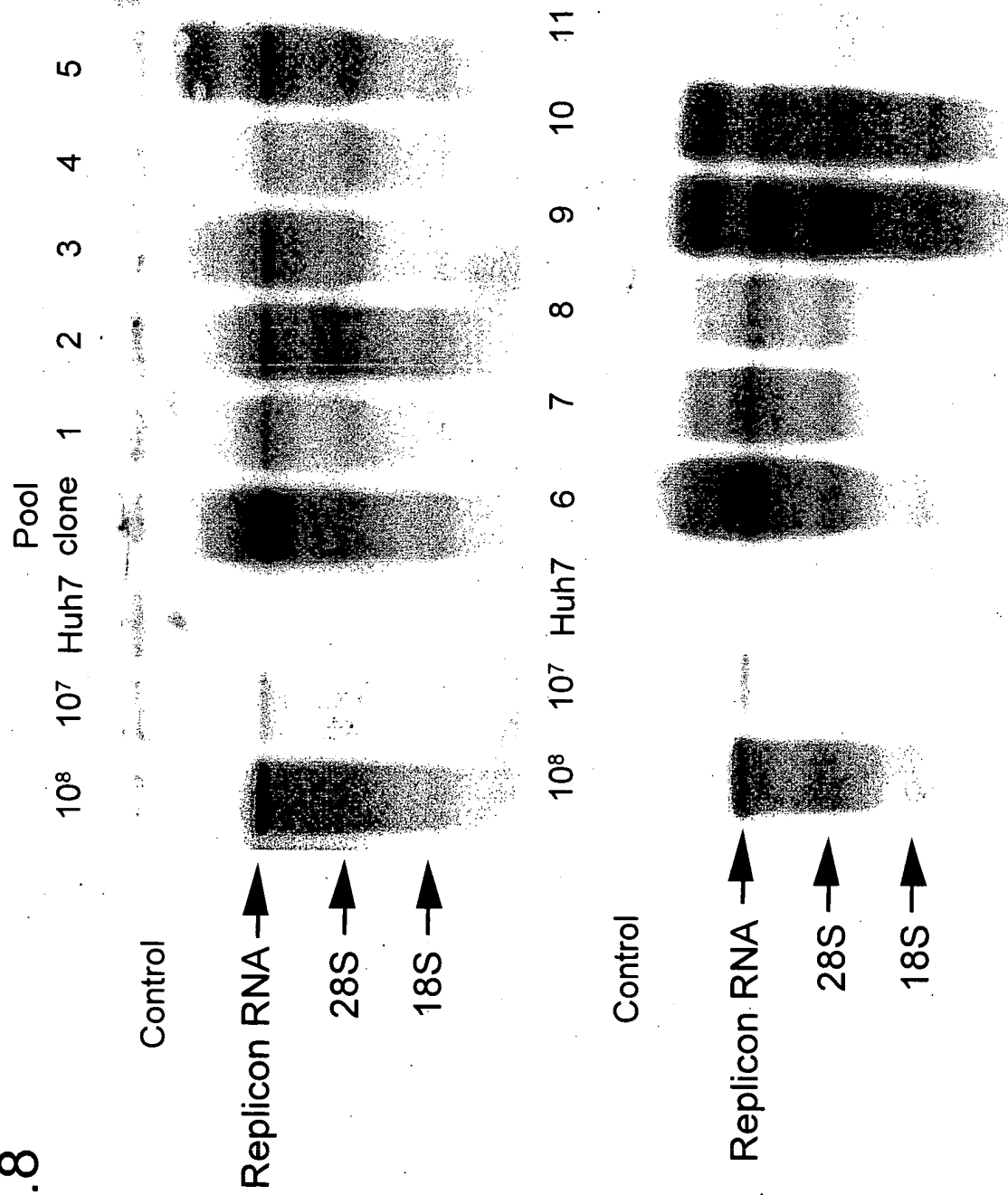


Fig.9

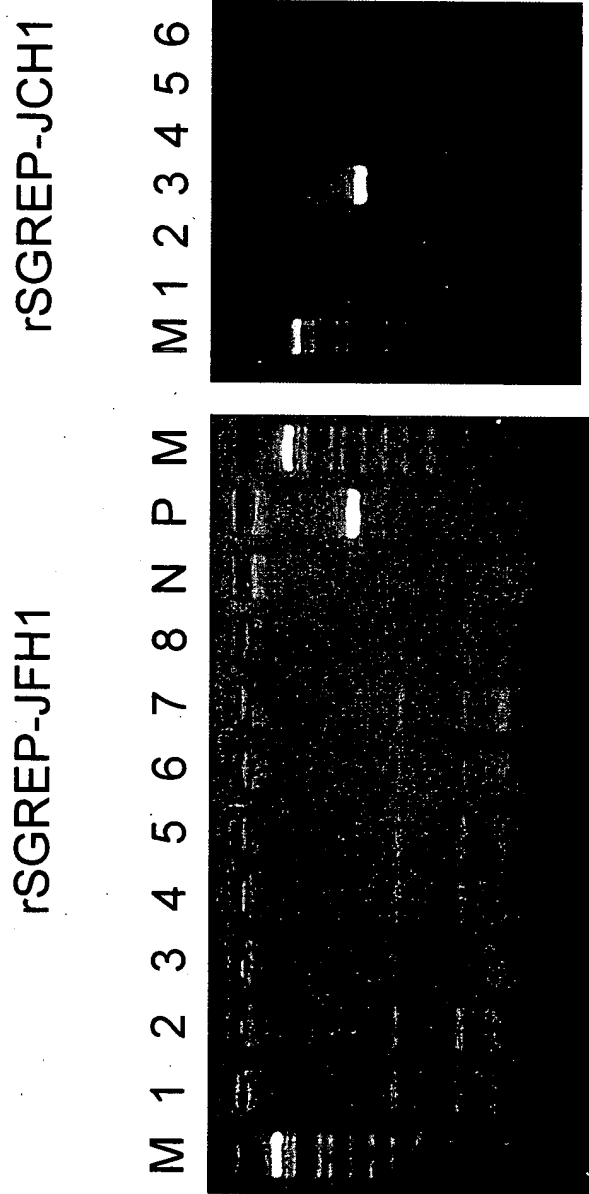


Fig.10

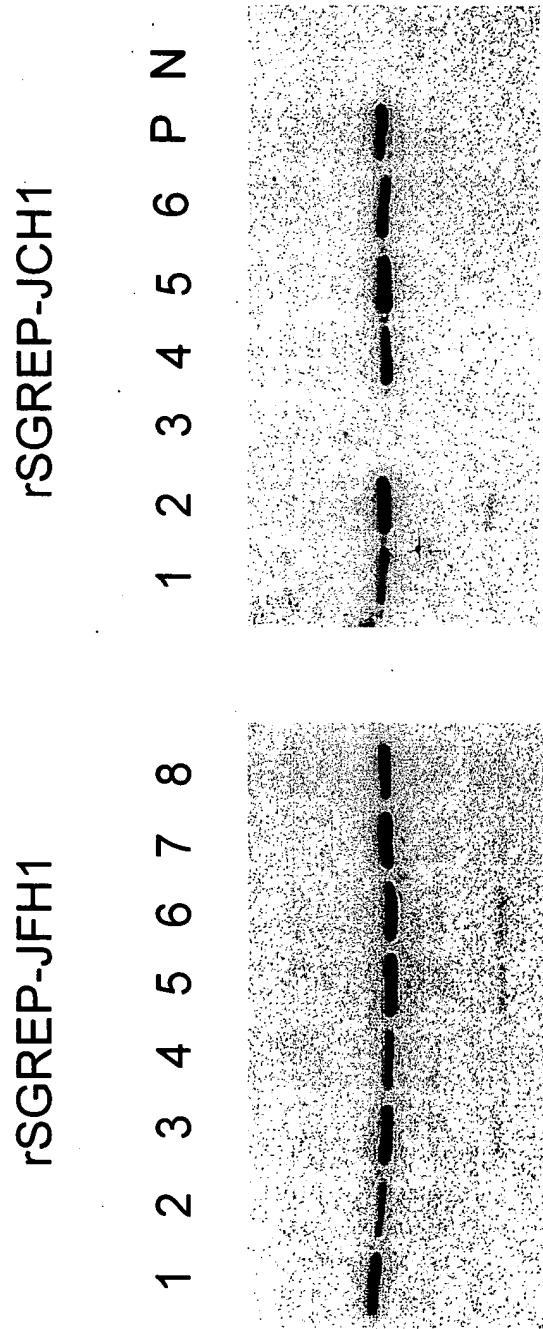


Fig.11

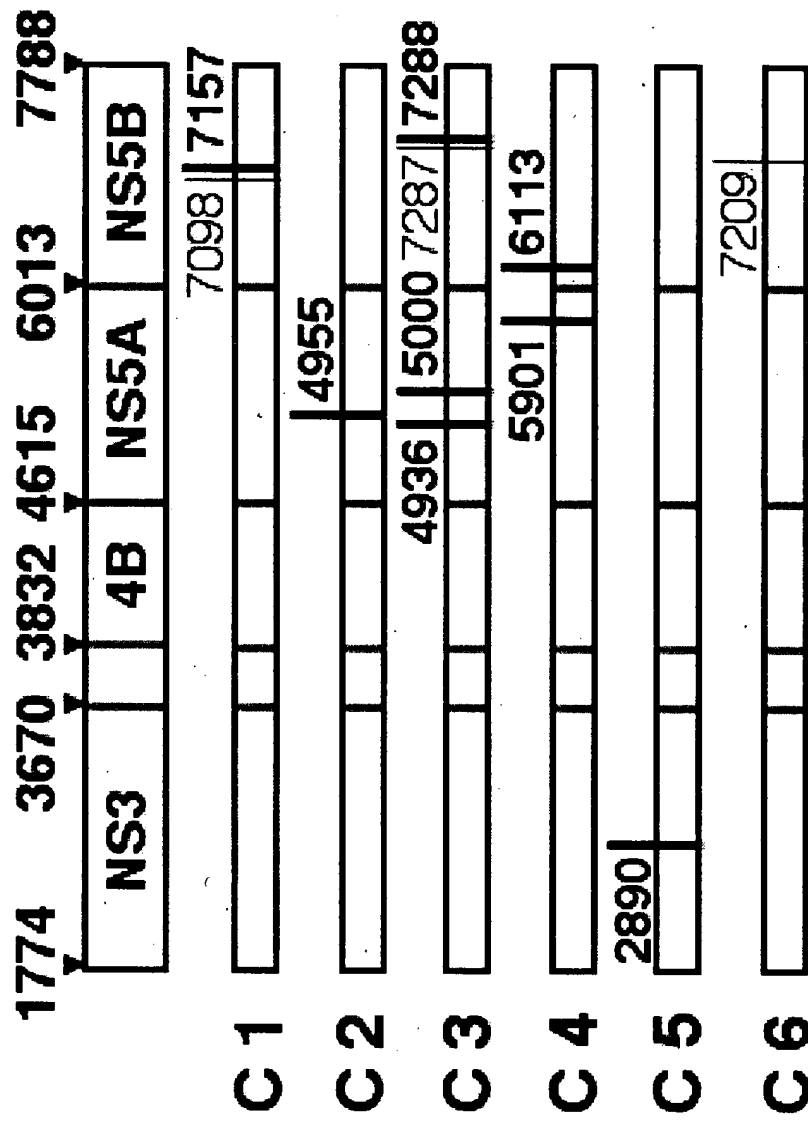


Fig.12

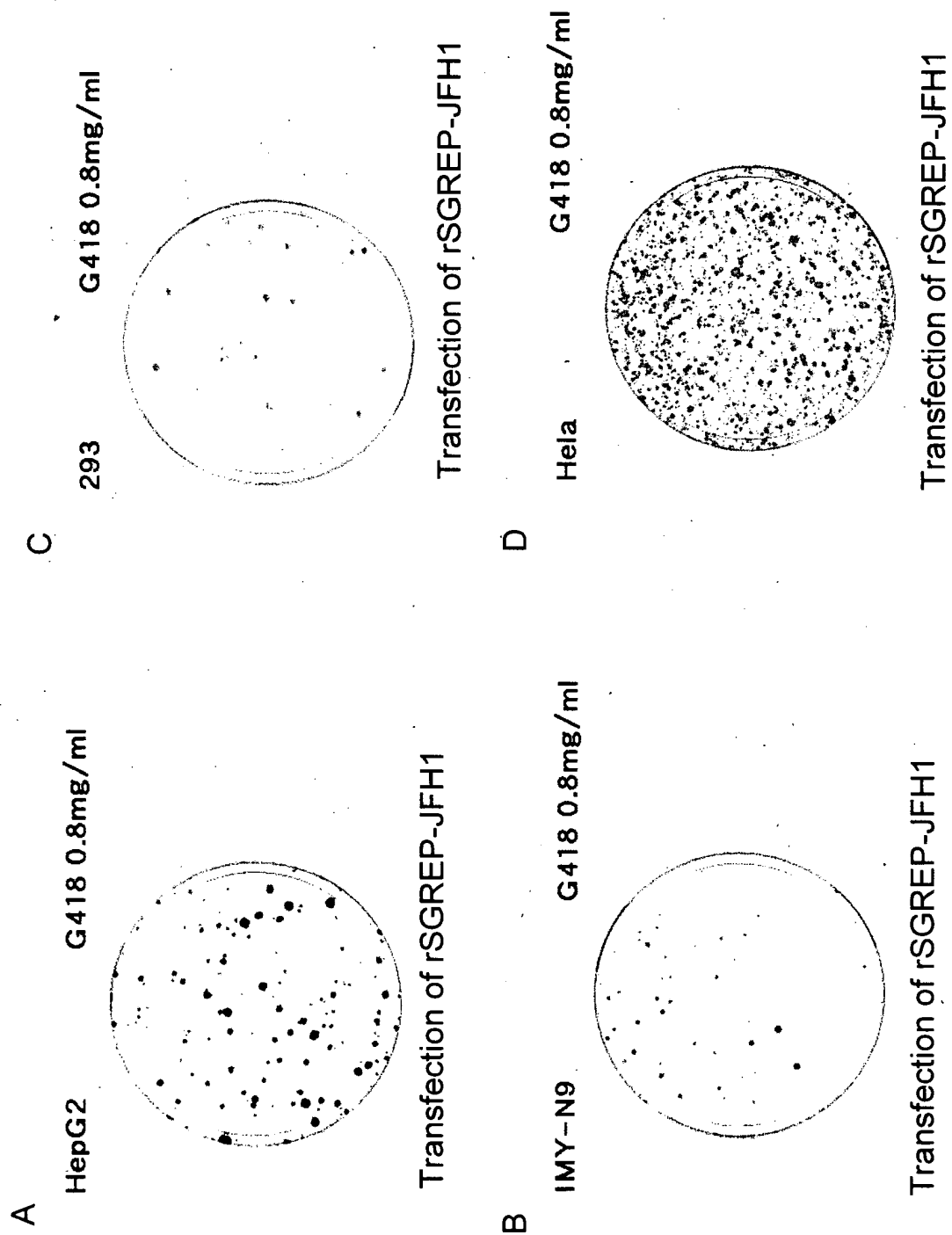


Fig.13

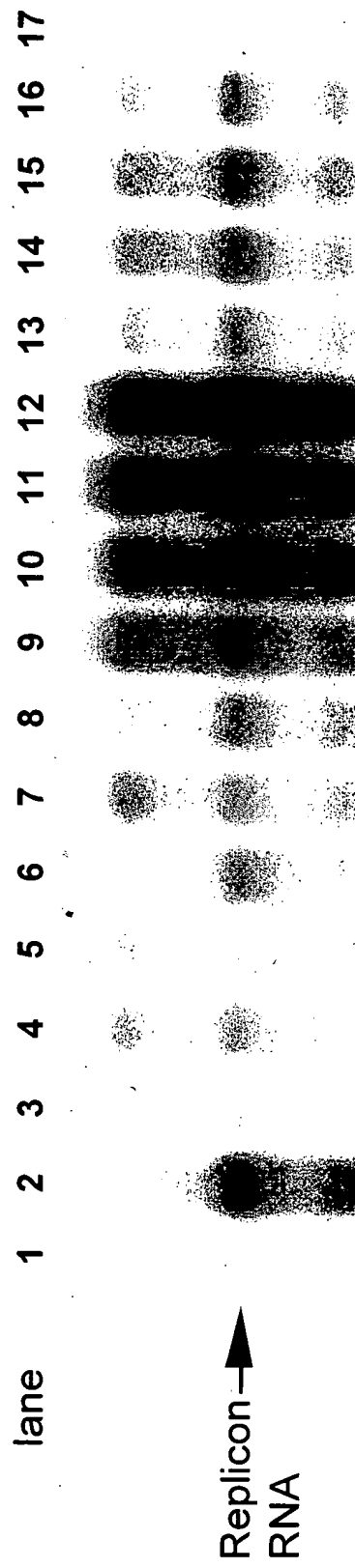


Fig.14

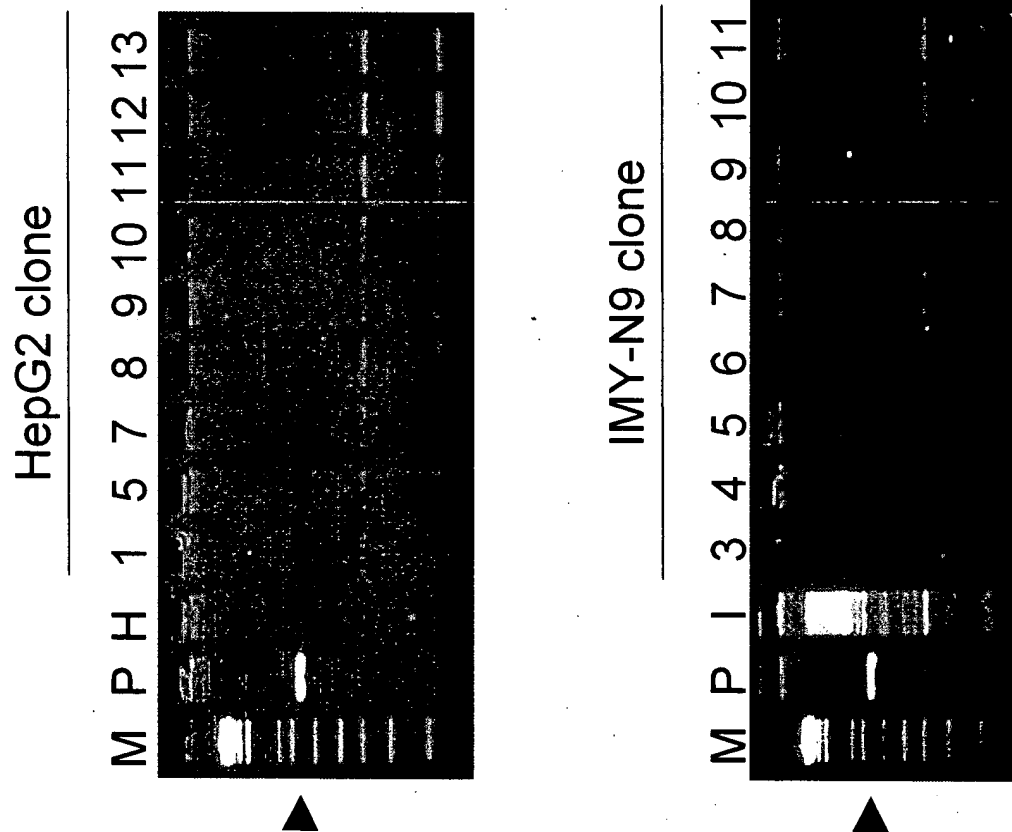




Fig.15

